

# MESABI RANGE COLLEGE

## Course Outline

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<b>Course Title:</b> College Biology II	<b>Submitted By:</b> Giermann, K.
<b>Semester Course Prefix and Number:</b> BIOL 1552	<b>Approval Date:</b>
<b>Old Quarter Course Prefix and Number:</b> Biol112 and 113	<b>Revision Date:</b>

  

<b>Number of Credits:</b> 5	<b>Number of Lecture Credits:</b> 4	
<b>Semester(s) Offered:</b>	<b>Number of Lab Credits:</b> 1	<b>Number of Lab Hours:</b> 2
<b>Class Size:</b>	<b>Number of Studio/Demonstration/Internship Credits:</b>	
Negotiated by AASC on: (date)		

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### Course Purpose Code:

- 0 – Developmental Courses
- 1 – Non-transferable
- 2 – Technical course related to career programs
- 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
- 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)
- 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
- 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

### Catalog Description:

This is the second course of a two-semester biology major sequence. This course covers the diversity of life including taxonomy, morphology, physiology and ecology. Organismal interactions and environmental influence are considered.

### Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): BIOL 1551 is recommended  
Reading Prerequisite: College level reading  
Composition Prerequisite: None  
Mathematics Prerequisite: MATH 0090 or placement

### Career Programs and Transfer Majors Accessing this Course:

Science Majors: Biology/Pre-Med, Veterinarian and Dental, etc.

Health Majors: Chiropractic /R.N./P.T./O.T.

### Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:

(Notes: No more than two goals may be met by any one course. AASC review and the Chief Academic Officer's approval are required.)

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| 0. <input type="checkbox"/> None   | 6. <input type="checkbox"/> The Humanities and Fine Arts           |
| 1. <input type="checkbox"/> Communications                                 | 7. <input type="checkbox"/> Human Diversity                        |
| 2. <input type="checkbox"/> Critical Thinking                              | 8. <input type="checkbox"/> Global Perspectives                    |
| 3. <input checked="" type="checkbox"/> Natural Sciences                    | 9. <input type="checkbox"/> Ethical and Civic Responsibility       |
| 4. <input type="checkbox"/> Mathematical/Logical Reasoning                 | 10. <input checked="" type="checkbox"/> People and the Environment |
| 5. <input type="checkbox"/> History and the Social and Behavioral Sciences |  |

**Learning Outcomes:** (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

Demonstrate understanding of scientific theories.

Communicate their experimental findings, analyses, and interpretations both orally and in writing.

Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.

Explain the basic structure and function of various natural ecosystems and of human adaptive strategies within those systems.

Evaluate critically environmental and natural resource issues in light of understandings about interrelationships, ecosystems, and institutions.

Articulate and defend the actions they would take on various environmental issues.

**Student Assessment Methods:**

Lecture and lab tests

Lab Reports and lab exercises

Quizzes and assignments

**Use of Instructional Technology:** (includes software, interactive video and other instructional technologies):

Textbook on-line content

**Additional Special Information:** (special fees, directives on hazardous materials, etc.)

May require the purchase of an access code from the textbook publisher and the purchase of a lab kit for home use.

**Transfer Information:** (Please list colleges/majors that accept this course in transfer.)

Most schools accept this into a biology major as long as the entire sequence is taken.

**Affiliated Mesabi Range College Courses and Programs:**

**Approvals:**

Body	Representative Signatures	Date
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

**Distribution:** Original – Instructional Services  
**Copies:** Transfer Specialist, Originating Faculty Member, Records  
**Revised:** December 2012